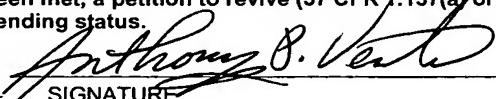


|  |   |   |
|--|---|---|
| FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE<br>(REV. 2-2005)  |   | ATTORNEY'S DOCKET NUMBER<br>APV31940                                |
| TRANSMITTAL LETTER TO THE UNITED STATES<br>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371   |   | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><b>10/580550</b> |
| INTERNATIONAL APPLICATION NO.<br>PCT/IB2004/003873   | INTERNATIONAL FILING DATE<br>25 November 2004 | PRIORITY DATE CLAIMED<br>27 November 2003                           |
| TITLE OF INVENTION<br><b>METHOD FOR PRE-HEATING, TRANSFORMING AND MELTING A METAL CHARGE AND RELATIVE PLANT</b>  |   |   |
| APPLICANT(S) FOR DO/EO/US<br>Romano SELLAN   |   |   |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |   |   |
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> <li>11. <input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409).</li> <li>12. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210).</li> </ol> |   |   |
| Items 13 to 23 below concern document(s) or information included:  |   |   |
| <ol style="list-style-type: none"> <li>13. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>14. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>15. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li>16. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>17. <input type="checkbox"/> A substitute specification.</li> <li>18. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>20. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>21. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</li> <li>22. <input type="checkbox"/> Express Mail Label No.</li> <li>23. <input checked="" type="checkbox"/> Other items or information:</li> </ol>  |   |   |
| Application Data Sheet<br>Cover Sheet of WO 2005/052196 A2<br>Cover Sheet of WO 2005/052196 A3   |   |   |

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|  |              |  |            |  |           |
|--|--------------|--|------------|--|-----------|
| U.S. APPLICATION NO (if known, see 37 CFR 1.5)<br><b>10/580550</b>   |              | INTERNATIONAL APPLICATION NO.<br>PCT/IB2004/003873                     |            | ATTORNEYS DOCKET NUMBER<br><b>APV31940</b> |           |
| The following fees are submitted:  |              |  |            | CALCULATIONS                               | PTO USE   |
| 24. <input checked="" type="checkbox"/> Basic national fee .....   |              |  |            | \$ 300                                     | \$ 300.00 |
| 25. <input checked="" type="checkbox"/> Examination fee<br>If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4). ....<br>All other situations. ....  |              |  |            | \$ 100<br>\$ 200                           | \$ 200.00 |
| 26. <input checked="" type="checkbox"/> Search fee<br>Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....<br>International Search Report prepared and provided to the Office .....<br>All other situations. ....   |              |  |            | \$ 100<br>\$ 400<br>\$ 500                 | \$ 400.00 |
| <b>TOTAL OF 24, 25 and 26 =</b>  |              |  |            | \$ 900.00                                  |           |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.   |              |  |            |  |           |
| Total Sheets   | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole) |            | RATE                                       |           |
| 19 - 100 =   | 0 /50 =      | 0  |            | x \$250.00                                 | \$ 0.00   |
| Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).  |              |  |            | \$   |           |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA   | RATE       |  |           |
| Total claims   | 18 - 20 =    | 0  | x \$50.00  | \$   | \$ 0.00   |
| Independent claims   | 2 - 3 =      | 0  | x \$200.00 | \$   | \$ 0.00   |
| MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/>   |              |  |            | + \$360.00                                 | \$ 0.00   |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |  |            | \$ 900.00                                  |           |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.   |              |  |            | \$   | \$ 0.00   |
| <b>SUBTOTAL =</b>  |              |  |            | \$ 900.00                                  |           |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).  |              |  |            | \$   | \$ 0.00   |
| <b>TOTAL NATIONAL FEE =</b>  |              |  |            | \$ 900.00                                  |           |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +  |              |  |            | \$   | \$ 40.00  |
| <b>TOTAL FEES ENCLOSED =</b>   |              |  |            | \$ 940.00                                  |           |
|  |              |  |            | Amount to be                               | \$        |
|  |              |  |            | Amount to be                               | \$        |
| <p>a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>\$940.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>19-4375</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING: Information on this form may become public. Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.</p> |              |  |            |  |           |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.   |              |  |            |  |           |
| SEND ALL CORRESPONDENCE TO:<br><br>Anthony P. Venturino<br>STEVENS, DAVIS, MILLER & MOSHER, LLP<br>1615 L Street N.W., Suite 850<br>Washington, D.C. 20036<br>Tel: 202-785-0100<br>Fax: 202-785-0200   |              |  |            |  |           |
| <br><b>SIGNATURE</b><br><hr/> <b>Anthony P. Venturino</b><br>NAME _____<br><u>31,674</u><br>REGISTRATION NUMBER _____  |              |  |            |  |           |